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Life Entitled

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A pretty nineteen-year-old girl in honor of the Grand Cross of the Or-
rived at Oroville, Cal., via a freighter of Orango-Nassau from Queen
train, having traveled from Salt Lake Wilhelmia in appreciation of his
in hobg fashion. peace work.

A mysterious stranger caused Viscount Haldane, lord chancellor
much excitement at Venice, Cal., by of England, will visit West Point be-
scattering tips amounting to \$300 fore leaving for Montreal.
and produced ten \$5000 bills at the A \$1,000,000 fire swept the yards
ticket window of a merry-go-round, of the C. A. Smith Lumber Company
Andrew Carnegie has received the at Bay City, Cal.

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SPECIAL SUGAR TRAINING AT LOCAL COLLEGE

(Continued from page one)

laboratory routine, and the fitting out
of a sugar laboratory, the methods of
sampling and analysis of the various
products met with in a cane sugar
factory.

Instruction is also given in sugar
house calculations, and considerable
time is devoted to the working out
of problems involving the yields and
losses ordinarily encountered in ac-
tual factory work, and the making
out of typical laboratory reports such
as are required by plantations in the
Hawaiian Islands.

2. Sugar Technology. Lectures
and recitations on the basic prin-
ciples involved in the manufacture of
cane sugar, with discussion of types
of machinery and methods used in the
best modern factories, embodying
such topics as milling, the effect of
maceration, clarification of juices,
filter press working, multiple effect
evaporation, sugar boiling, including
the most usual methods of exhausting
molasses by boiling, massecuttes to
fixed purities, the use of crystallizers,
curing and drying of sugars.

A brief description of beet sugar
manufacture, refining and the making
of white sugar without char filtration
is also given.

Students are given the opportunity
of visiting the nearby plantations, and
witnessing the processes of manufac-
ture are carried out in actual prac-
tice.

It is recognized that theoretical in-
struction can be of value only when
accompanied or supplemented by prac-
tical work, and the college will en-
deavor to secure positions for stu-
dents who satisfactorily complete this
course, so that they may acquire the
necessary practice in factory tech-
nique and sugar house manipulations
under the most favorable conditions.

3. Sugar Technology. Research.
Preparation of a thesis involving a
thorough study of the available bib-
liography of, and original work on,
some topic pertaining to the chemis-
try or manufacture of sugar.

MANY CIPHERS IN WEIGHT OF OLD MOTHER EARTH

One hundred and fifteen years after
the ancients, medievalists and other
modern astronomers and physicists had
failed to agree about the weight of
the earth, the celebrated scientist,
Henry Cavendish, measured the at-
tractive power that two lumps of glo-
bular lead, which weighed respect-
ively about 400 pounds, had over two
smaller, but very much smaller, ob-
jects. The plainly evident attractive
power was estimated by a dainty in-
strument which consisted of a thin
wire six and one-quarter feet long,
which held a little trapeze from which
two tiny balls hung. As the two great
globules of lead approach these balls
from opposite sides there occurs a
twist, or "torsion," of the wire, which
is the index of the effect.

Francis Baily, another physicist, re-
peated this work more recently. In
order to secure extreme accuracy, he
made more than 2000 separate rep-
etitions of this experiment.

It is no difficult matter to compute
the pull which the large balls must
have given the small ones to produce
the effect. If the lead balls twelve
inches in diameter exert such a force,
what would be their force, or their
dead pull, were they as large as the
earth?

The attractive force of the earth is
known. It is the weight of such balls
—that is to say, their tendency to fall.
The attractive power of the earth,
therefore, may now be compared with
the influence or "drawing power" of
lead.

The mass and density of lead and
similar metals is known, therefore it
is merely a matter of multiplying a
few figures to find the "drawing pow-
er" or attraction of the earth and its
weight. The latter is, according to
this plan, 5.6 times heavier than a
globe of water.

The pendulum method consists in
the comparison of two pendulums, one
swinging on the surface of the earth
and the other beneath the surface.
The differences between these show
that at a given distance below there
is a difference in the time of the
swing. Thus the pendulums differ in
a definite fraction of a second for each
number of feet below the sea level.

This calculation has shown that the
earth is really over six times as
heavy as water, and the actual weight
of the whole globe is 132,000,000,000,
000,000,000,000 pounds. — New York
American.

DOG DIDN'T LAST AS A DIAMOND MINE

[By Latest Mail]

"The Dog and the Diamond" was
the title of a good luck story with
which Antonio Gagliardi, a barber of
No. 69 Main street, Yonkers, enter-
tained friends recently.

On Sunday night, Antonio says, he
was playing with his children, and his
dog Billie in the front yard of his
home. When he went into the house
a few moments afterward, he missed
a \$200 diamond ring from his finger.
The barber searched the yard a

ALL WILL BOOM CARNIVAL WEEK AND ITS PLANS

American and Japanese Edi-
tors Are Guests of Director-
General at Informal
Dinner

American and Japanese newspaper-
men, directors of Floral Parades in
the past, and officials of the 1914
event, were guests of Director-General
James D. Dougherty at dinner at the
Commercial Club last night. They
gathered for an informal discussion
of the plans he is laying out for the
Mid-Pacific Carnival last February
and waxed more than enthusiastic as
he explained the various features of
Carnival Week.

Emphasis was laid on the features
in which the Japanese community
will play a leading part, particularly
the Japanese lantern parade and the
water carnival. One of the questions
discussed was the date of the lantern
parade. Director Dougherty has tent-
atively set the date for Thursday
night of Carnival Week. Several of
the Japanese editors present suggest-
ed that Saturday night might be
more desirable and Director Dough-
erty asked them to talk it over and take
up the matter through their papers.

A. K. Ozawa, whose splendid work
in the past has largely helped to or-
ganize and direct the Japanese partici-
pation, will be urged again to ac-
cept the chairmanship.

The united support of the press of
Honolulu was pledged to Mr. Dough-
erty. A former director, Charles F.
Chillingworth, who pulled off the big
carnival of last year, declared that the
support of the press had always been
given, the directors gladly and had
made the Carnival's possible of suc-
cess. Last night's dinner was in the
nature of getting the newspapermen
together to talk over the various fea-
tures and boom the work of publicity.

Director Dougherty's plans were re-
ceived with much favorable comment.
The spectacular features of the week
met instant approval. His scheme
for financing the parade is regarded
as progressive and as he will have a
program extending over an entire
week, with no crowding of events but
with "something doing" all the time,
it is believed that a long step will be
taken toward making the main part
of the carnival self-supporting.

Fort Shafter Notes

[Special Star-Bulletin Correspondence]
FORT SHAFTER, Sept. 12. — Lieut.
Jackson has rushed the work of erect-
ing a post laundry to completion and
beginning Monday will be able to do
the work.

Colonel French has issued a blanket
order which covers the question of
the conduct of officers and enlisted
men on all occasions in or out of the
garrison. All previous orders, mem-
orandum orders, and circulars are
embodied in the one, and conflicting
orders are revoked. Amendments to
the order will be published in the
form of changes. The paragraph as
modified will be printed and distrib-
uted for the purpose of being posted
over the old paragraph. All con-
cerned are warned to keep these
standing orders up to date.

Upon the recommendation of the
commanding officer, Company E, 2nd
Infantry, Lance Corporal Wm. O. An-
glin is appointed corporal vice Cur-
boy, reduced.

The commanding officer has issued
an order prohibiting anyone from
bringing intoxicating liquor on the
reservation without proper authority,
but authorizing organizations to have
beer on holidays and other special oc-
casions.

There will be the usual bi-weekly
hop Saturday evening at the post
headquarters and a great many guests
from the city and other garrisons on
the island are expected. Arrangements
have been made to have a bus
meet the cars and be available to
make trips for those who desire to
leave before the last car goes.

Word was received by friends of
Major E. V. Smith of the 2nd Infantry
yesterday that he is aboard the
transport returning from San Fran-
cisco which reaches here tomorrow
morning, having given up his leave of
absence. Mrs. Smith is due on the
Sierra, which will reach here Monday.

Private Myer Moss, Battery C, 1st
Field Artillery, died at 11:40 p. m.
yesterday, at the department hospital,
Fort Shafter. Moss had been in the
hospital since September 2, and the
direct cause of his death was heart
failure. He was being treated for
other complications.

long time, and finally gave up the
hunt, thinking the stone was lost. In
talking over his loss with his wife he
remembered he had put his hand in
Billie's mouth, and decided to kill
the dog to see if he had swallowed
the ring.

But his wife persuaded him to spare
Billie's life, so Antonio administered
an emetic of soapuds.

And now he has his diamond ring
again.

MOST ANCIENT SKELETON

[By Latest Mail]

DURANGO, Colo. — The discovery of
the most ancient skeleton of a fossil
mammal ever found on this continent
was announced by Prof. Henry Fair-
field Osborne, professor of the Amer-
ican museum of natural history re-

NEW PUBLICITY MAN CONSIDERED BY PROMOTERS

A plan of cooperation by which the
promotion committee will work with
the publicity department of the mer-
chants' association of Manila, and the
tourists' bureau of Japan, to increase
travel on the Pacific, will be put be-
fore the Hawaii Promotion Commit-
tee at its meeting this afternoon.

It is a scheme by which an expe-
rienced traffic man, representing the
three bodies, may be sent to the
mainland to encourage tourists to vis-
it Hawaii, Japan and the Philippines,
and also to make better arrangements
with steamship and railroad compan-
ies for rates, and secure excursions
whenever possible, and plan their itin-
erary. The proposition will be laid be-
fore the committee by H. P. Wood,
secretary, who has taken the matter
up with D. M. Carman of Manila.

Mr. Carman, a wealthy business-
man of the Philippines, left here yester-
day on the China for Manila. He is
returning after making a brief
business trip to the mainland. Both
times while here, on his way to the
mainland and when returning, he dis-
cussed the cooperative plan with Mr.
Wood, and will present it, on his re-
turn to Manila, to the merchants' as-
sociation, of whose endorsement he is
already assured, he says.

As a great deal of the tourist traf-
fic on the Pacific does not end here,
but continues to the Philippines and
Japan, both Mr. Carman and Mr.
Wood are of the opinion that a great
deal of benefit can be enjoyed by Ha-
waii as well as the other two coun-
tries, if they join together in secur-
ing the services of one high-class
traffic man.

"We will need a man," said Wood
this morning, "who can meet the traf-
fic managers of the various railroad
and steamship companies and can get
them to work with him in encourag-
ing South Pacific travel, and secure
rates, etc., from them. The duties of
such an agent would be to go from
place to place on the mainland, both
in the United States and Canada,
keeping a sharp eye out for excur-
sionists, and do what he can to get the
excursionists to travel this way."

"It is a position which only a very
experienced and capable man could
handle."

"Mr. Carman has said that as soon
as he arrives at Manila he will put
the proposition before the merchants'
association. He asked that I take it
up with the promotion committee at
once."

cently on arriving with a party of
scientists in the desert 80 miles south-
west of Farmington, N. M.

The skeleton was found in the Kim-
bleton draw directly north of Pueblo
Bonito by the museum party-headed
by Walter Granger, and according to
Professor Osborne represents the be-
ginning of mammalian life on this
continent. The specimen is about the
size of a wolf and evidently an herbi-
vorous animal.

Americans are continuing to leave
Mexico in spite of the more hopeful
attitude of the administration in
Washington as to the possibility of
peace.

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to tiresome exercises. Louisenbad Re-
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natural way, prevents formation of
superfluous fat and reduces it where
it exists by transforming the fat into
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found in the reducing bath springs of
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dorsed by the medical profession.

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